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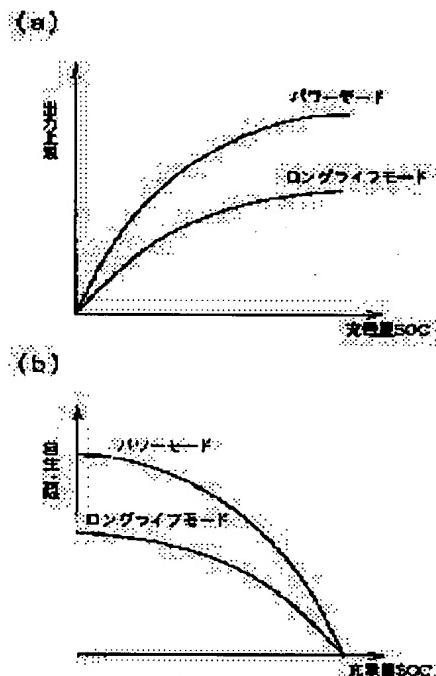
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## (54) CAR BATTERY CHARGING AND DISCHARGING CONTROLLER

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To improve the life of a car battery by controlling charging and discharging.

**SOLUTION:** An output limit and a regenerative limit of the battery are set based on a control mode selected by the operation of an operator and the state of charge of the battery, that is, a power mode in which the charging and discharging of the battery are controlled by regarding the driving performance of a motor more important and a long-life mode in which the charging and discharging of the battery are controlled considering to reduce a burden to the battery. The charging and discharging of the battery is controlled in such a way that it does not exceed the preset output and regenerative limits. In the long-life mode, the burden to the battery can be reduced and its life can be extended, by setting the output and regenerative limits to the levels lower than in the power mode.



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